

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Turlock PWS ID: CA5010019
System Type: Potable Audit Period: Calendar 2016
Utility Representation: Fallon Martin, Monty Miller
Validation Date: 7/12/2017 Call Time: 12pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 53 Data Validity Band (Level): Band III (51-70)
ILI: 6.1 Real Loss: 90.33 (gal/conn/day) Apparent Loss: 15.25 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 2.7%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Lucy Andrews / Kevin Burgers (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided

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Water System Name: City of Turlock

Water System ID Number: 5010019

Water Audit Period: Calendar 2016

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

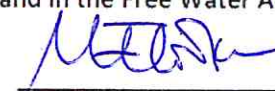
- The City has made an improvement by conducting its first water loss audit. In addition, it has assisted in detecting areas that can be improved upon.
- The City plans to compare monthly manual well readings to the automatic Scada reading for accuracy assurance.
- Lastly, consideration of a customer meter testing program which tests a sample of random meters whose stratification (by size, age, or other characteristics) represents the entire customer meter stock will be explored.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Michael I. Cooke
Executive Name (Print)

Municipal Services Director
Executive Position


Signature

09/21/17
Date

Utility Provided